INDEX TO AUTHORS

A

Airston, M., and Brady, E. S., II, a review of tests for ephedrine, 135
Allmark, M. G., and Morrell, C. A., on the biological assay of digitalis by the overnight frog method, 1
see Morrell, C. A.
Almus, A., see Gibson, A. J.
Aragon, A., see Bachstez, M.
Arrigoni, L., see Tozer, G. A.
Asenjo, C. F., some of the constituents of the tuber of "Coqui" (*Cyperus rotundus* L.). Preliminary examination of the tuber and composition of the fatty oil, 216
some of the constituents of the tuber of coqui (*Cyperus rotundus* L.). The volatile oil, 628

B

Bachstez, M., and Aragon, A., notes on Mexican drugs. Zapote borracho (*Lucuma salicifolia* Kunth, Sapotac.), 218
Becker, C. H., see Husa, W. J.
Beeler, E. C., and Gathercoal, E. N., homogeneity of tablet mixtures before granulating, 56
Bell, C. W., a method for the quantitative determination of theobromine or theobromine salts and phenobarbital in mixtures, 240
Bell, F. K., and Krantz, J. C., Jr., determination of unsaturates in cyclopropane, 50
Berry, A. W., and Herlong, E. S., the effect of alkalinity or acidity on the stability of ether, 73
Best, A. H., see Sell, H. M.
Bitto, L. M., see Graham, J. H.
Bonisteel, W. J., see O'Brien, F. J.
Boswell, C. L., see Klemme, C. J.
Bowers, R. A., and Uhl, A. H., the fatty acids of carnauba wax, 10
Brady, E. S., II, see Airston, M.
Burt, J. B., see Hopkins, H.

C

Carr, C. J., see Forman, S. E.
Cartland, G., see Nelson, J. W.
Chapman, C. W., see Dunker, M. F. W.
see Hager, G. P.
Chatterjee, R., umbellatine from *Berberis insignis* Hook. f., 247
Chopra, R. N., see Lahiri, J. K.
Christiansen, W. G., see Jones, W. S.
Coon, J. M., see Smith, B., Jr.
Corcoran, J. J., and Sister Mary Etheldreda, particle size studies. The grain size distribution of bismuth subsalicylate U. S. P., 220

D

Daniels, T. C., see Goyan, F. M.
David, N. A., Phatak, N. M., Donnell, H., and Vehrs, H., intravenous toxicity of heparin-sodium sulfapyridine combinations and protective action of barbiturates, 38
Dean, S. J., see Millar, J. W.
Dechene, E. B., a colorimetric method for the assay of diethylstilbestrol, 208
Degering, E. F., see Feasley, C. F.
Demers, F. X., and Lynn, E. V., new pyrazolone derivatives, 627
deNavarre, M. G., see Lakey, R. T.
Donnell, H., see David, N. A.
DuBois, K. P., and Lee, C. O., the stabilizing effects of antioxidants upon solution of tannic acid, 53
Dunker, M. F. W., and Hartung, W. H., aliphatic amines. I. A review, 619
Hartung, W. H., and Chapman, C. W., aliphatic amines. II. The *n*-heptylamines, preparation and toxicity, 623

E

Eger, G. K., see Rosin, J.
Ewe, G. E., papain as a precipitant of gums, 19

F

Feasley, C. F., Gwynn, B. H., Degering, E. F., and Tetrault, P. A., bacteriostatic properties of phenylacetic acid, 41
Fellers, C. R., see Lubitz, J. A.
Fiero, G. W., hydrogenated castor oil in ointments. Sulfated product in official ointments, 145
Fischer, L., see Miller, O. H.
Forman, S. E., Carr, C. J., and Krantz, J. C., Jr., alkyl nitrites. Synthesis of some organic nitrites and nitrates, 132
Fourt, P., see Smith, B., Jr.
Francis, A. W., physical evidence of association of camphor with phenol and the cresols, 229
Frost, D., the vitamin B complex, 221

G

Gakenheimer, W. C., and Hartung, W. H., the qualitative detection of methanol, 49
Galtone, V. H., see Munch, J. C.
Gathercoal, E. N., see Beeler, E. C.
Geiling, E. M. K., see Smith, B., Jr.
Ghosh, S., see Lahiri, J. K.
Gibson, A. J., Parker, H. E., and Almus, A., ointments prepared by emulsification. Improvements and advantages gained; choice of emulsion systems; selection of vehicles, 196
Gisvold, O., the effect of some adsorbents, precipitants and oxidants upon the resin of *Rhus toxicodendron*, 17
Goedrich, P., considerations for evaluation of germicides, 88
Goyan, F. M., and Daniels, T. C., certain salts of atropine, ephedrine, epinephrine and procaine, 98
Graham, J. H., and Bitto, L. M., preliminary studies with *Nepeta glechoma*, 187
Green, M. W., the irritant effect of aloin. Preliminary note, 186
and Musulin, R. R., studies on barbiturates. XXV. The effect of vitamin C level on barbiturate depression in guinea pigs, 613
see Koppanyi, T.
Grimm, C. H., Langenau, E. E., and Guenther, E. S., a critical study of the physico-chemical properties of Tyrolean oil *Pinus pumilo* Haenke (*Pinus montana* Miller) Fam. *Pinaceæ* and oil *Abies alba* Miller *Abies pectinata* DC.) Fam. *Pinaceæ*, 209
Grove, D. C., the quantitative separation of ergometrine from other ergot alkaloids, 260
Guenther, E. S., see Grimm, C. H.
Gwynn, B. H., see Feasley, C. F.

H

Haendler, H. M., and Rising, L. W., a study of intermolecular compounds, 105
Hager, G. P., Starkey, E. B., and Chapman, C. W., synthesis and toxicity of N^1-*p*-fluorophenylsulfanilamide, 65
Hartung, W. H., see Dunker, M. F. W.
see Gakenheimer, W. C.
Hayden, A., and Jordan, C. B., report on the vanadium oxytrichloride colorimetric method for the determination of capsaicin in capsicum, 107
Herlong, E. S., see Berry, A. W.
Higby, R. H., the chemical nature of hesperidin and its experimental medical use as a source of vitamin P, 629
Holmes, A. D., Pigott, M. G., and Terry, A. N., laboratory apparatus and procedure for preparing permanent records of biological vitamin D assays, 153
Hopkins, H., and Burt, J. B., a preliminary study of *Artemisia filifolia* Torrey, 77
Husa, W. J., and Becker, C. H., pharmaceutical emulsions. A study of the Continental method, 83
and Becker, C. H., pharmaceutical emulsions. A study of the English method, 114
and Becker, C. H., pharmaceutical emulsions. A comparative study of various mechanical stirrers and the hand homogenizer, 141
and Becker, C. H., pharmaceutical emulsions. Mixtures of acacia and tragacanth as emulsifying agents, 171
and Pacenta, C. T., drug extraction. XXIV. The effect of the length of drug column on the efficiency of percolation of cinchona, 635

J

Jacobs, B., a pharmacognostic study of *Digitalis ambigua*, 21
Johnson, F. F., and Nelson, H. A., determination of iodine in desiccated thyroid, 625
Jones, W. S., photoelectric determination of nicotinic acid, 272
and Christiansen, W. G., fluorophotometric determinations of riboflavin, 270
Jordan, C. B., see Hayden, A.

K

Kaufman, K. L., Le Clergé et la Pharmacie, 115
Kebler, L. F., the examination of and standards for imported drugs from 1790 to 1908, 25
Keenan, G. L., see Welsh, L. H.
Klemme, C. J., and Boswell, C. L., the stabilization of liquid preparations containing pepsin, 249
Koppanyi, T., Green, M. W., and Linegar, C. R., note on the behavior of sulfonamides in the cobalt color tests for barbiturates, 246
Krantz, J. C., Jr., see Bell, F. K.
see Forman, S. E.
Kremers, R. E., see Sell, H. M.
Krewson, C. F., condensation of amino acids with terpenes, 47
Kuever, R. A., see Maney, P. V.

L

Lahiri, J. K., Ghosh, S., and Chopra, R. N., pyrethrin content of pyrethrum grown in India, 72
Lakey, R. T., Mittelstadt, F. W., and deNavarre, M. G., the chemistry of Burbot liver oil, 18
Langenau, E. E., see Grimm, C. H.

Lee, C. O., see DuBois, K. P.
see Neuroth, M. L.
Leonard, C. S., thiamin chloride and bismuth tri-iodide compound, 20
Levine, A. S., see Lubitz, J. A.
Linegar, C. R., see Koppanyi, T.
Loewe, S., see Matchett, J. R.
Lovell, B. K., see Rowe, T. D.
Lubitz, J. A., and Fellers, C. R., non-toxic character of ursolic acid. Preliminary study, 207
and Fellers, C. R., toxicity of red squill powder and extract for chickens, rabbits and guinea pigs, 128
Levine, A. S., and Fellers, C. R., factors affecting the toxicity of red squill, 69
Lynn, E. V., see Demers, F. X.
Lyster, S. C., see Nelson, J. W.

M

Macht, D. I., and Spencer, E. C., ichthyometric studies on some mercurials, 203
Mack, H., see Rosin, J.
Maney, P. V., and Kuever, R. A., enteric coating, 276
Marshall, R. A., see Millar, J. W.
Matchett, J. R., and Loewe, S., on the preparation of an extract having "marihuana-like" activity from the fruits of *Cannabis sativa*, 130
Millar, J. W., a study of the composition of precipitated calcium phosphate National Formulary VI, 139
and Dean, S. J., detection of quinicine and cinchonicine, 52
Dean, S. J., and Marshall, R. A., advantages of iso-alcoholic elixirs of National Formulary VI, 219
Miller, O. H., and Fischer, L., the synthesis of several dialkylmalonylguanidines with a preliminary note on their pharmacology, 45
Mittelstadt, F. W., see Lakey, R. T.
Morrell, C. A., and Allmark, M. G., the toxicity and trypanocidal activity of commercial neoarsphenamine, 33
see Allmark, M. G.
Munch, J. C., Galtone, V. H., and Pratt, H. J., pressor drugs. Chemistry and pharmacology of an analogue of epinephrine, 183
Pratt, H. J., and Phillips, L. M., acetanilid studies. Acute toxicity, 91
Musulin, R. R., see Green, M. W.

N

Nelson, H. A., see Johnson, F. F.
Nelson, J. W., Lyster, S. C., and Cartland, G. F., a pharmacological study of some new synthetic hypnotics, 180
Neuroth, M. L., and Lee, C. O., a history of Blaud's pills, 60
and Lee, C. O., a study of the assay of Blaud's pills and effects of various sugars upon their stability, 166

O

O'Brien, F. J., and Bonisteel, W. J., the fungistatic value of certain ointments, 191
Owen, S. E., carcinogenics and medicine, 252

P

Pacenta, C. T., see Husa, W. J.
Parker, H. E., see Gibson, A. J.
Parks, L. M., see Rowe, T. D.
Phatak, N. M., see David, N. A.
Phillips, L. M., see Munch, J. C.
Pigott, M. G., see Holmes, A. D.
Powell, C. E., Reagan, O. W., Stevens, A., and Swanson, E. E., the biologic and colorimetric assay of ergonovine in ergot and its fluidextract, 255
Pratt, H. J., see Munch, J. C.

R

Reagan, O. W., see Powell, C. E.
Rising, L. W., see Haendler, H. M.
Robinson, B. B., marihuana investigations. IV. A study of marihuana toxicity on goldfish applied to hemp breeding, 616
Roeder, G., color reactions of some aliphatic acids, 74
Rosin, J., Eger, G. K., and Mack, H., the solubility of ephedrine in liquid petrolatum, 275
Rotondaro, F. A., the decomposition of sulfanilamide in tablets, 161
Rowe, T. D., and Parks, L. M., a phytochemical study of *Aloe vera* leaf, 262
Lovell, B. K., and Parks, L. M., further observations on the use of *Aloe vera* leaf in the treatment of third degree X-ray reactions, 266

S

Sell, H. M., and Best, A. H., phytosterol from the buds and fruit of the tung tree (*Aleurites fordii* Hemsl.), 170
and Kremers, R. E., a sterol from apple seeds and cherry seeds, 134
Sister Mary Etheldreda, see Corcoran, J. J.
Smith, B., Jr., Coon, J. M., Fourt, P., and Geiling, E. M. K., a proposed modification in the official method for the assay of posterior pituitary solution, 151
Spencer, E. C., see Macht, D. I.
Starkey, E. B., see Hager, G. P.
Stevens, A., see Powell, C. E.
Swanson, E. E., see Powell, C. E.

T

Terry, A. N., see Holmes, A. D.
Tetrault, P. A., see Feasley, C. F.
Tozer, G. A., and Arrigoni, L., isotonic, buffered and preserved intranasal ephedrine sulfate solutions, 189

U

Uhl, A. H., see Bowers, R. A.

V

Vehrs, H., see David, N. A.

W

Welsh, L. H., and Keenan, G. L., some properties of the *N*-cinnamylephedrines, and the analysis of aspirin, caffeine and cinnamylephedrine in admixture, 123
White, E. P., salts of alkaloids with bromo complexes of some heavy metals, 156
Wright, H. N., a simple statistical method for the calculation of mortality percentages in digitalis assays, 177

INDEX TO SUBJECTS

A

Abies alba Miller (*Abies pectinata* DC.) oil, a critical study of the physico-chemical properties of, 209
Acetanilid studies. I. Acute toxicity, 91
Aliphatic acids, color reactions of some, 74
amines. I. A review, 619
II. The *n*-heptylamines, preparation and toxicity, 623
Alkaloids, salts of, with bromocomplexes of some heavy metals, 156
Alkyl nitrites. VII. Synthesis of some organic nitrites and nitrates, 132
Aloe vera leaf, a phytochemical study of, 262
further observations on the use of, in the treatment of third degree X-ray reactions, 266
Aloin, the irritant effect of, 186
Amino acids, condensation of, with terpenes, 47
Artemisia filifolia Torrey, a preliminary study of, 77
Aspirin, caffeine and cinnamylephedrine in admixture, the analysis of, 123
Atropine, ephedrine epinephrine and procaine, certain salts of, 98

B

Barbiturates, intravenous toxicity of heparin-sodium sulfapyridine combinations and protective action of, 38
note on the behavior of sulfonamides in the cobalt color tests for, 246
studies on. XXV. The effect of vitamin C level on barbiturate depression in guinea pigs, 613
Bismuth Subsalicylate U. S. P., the grain size distribution of, 220
Bismuth tri-iodide and thiamin chloride complex, 20
Blaud's Pills, a history of, 60
a study of the assay of, and effects of various sugars upon their stability, 166
Book reviews
Accepted Dental Remedies, 176
A Manual of the Literature of Chemistry, 638
A New Dictionary of Chemistry, 149
An Introduction to Crystal Chemistry, 121
An Introduction to Materia Medica and Pharmacology, 64
Annual Report of the Egyptian Government Central Narcotics Intelligence Bureau for the Alexandria, Port Said, Suez, Cairo and Provincial Branches (1939), 30
Annual Review of Biochemistry, 30
Applied Pharmacology, 90
Biological Stains, 201
Biology in the Making, 201
Catalysis, Inorganic and Organic, 176
Chemical Publications, 16
Chemicals of Commerce, 89
Chemistry and Medicine, 31
Chemists Dictionary of Synonyms, 201
Chemotherapie Backterieller Infektionen, 176
Clinical Pellagra, 202
Cushny's Pharmacology and Therapeutics, 63
Emulsions and Foams, 638
Family Expenditures for Medical Care, 176
Food Analysis, 254
Forensic Chemistry, 150
Handbook of Chemical Microscopy, 9
Handbook for Chemical Patents, 149
Handbook of Mathematical Tables and Formulas, 32
History of Pharmacy, A Guide and Survey, 89
Introductory Essays on the History of Pharmacy, 121
Kingzett's Chemical Encyclopœdia, 30
Laboratory Exercise in the Chemistry of Medicinal Products, 254
Laboratory Instruction in Biochemistry, 266
Lange's Handbook of Chemistry, 638
Le Clergé et la Pharmacie. Essai sur le rôle du Clergé et plus particulirement des Congregations religieuses dans la préparation et la distribution des remèdes evant la Révolution, 202
Manual of Clinical Chemistry, 201
Mathematics in Bacteriology, 149
Mineral Metabolism, 31
Modern Cosmeticology, The Principles and Practice of Modern Cosmetics, 32
Modern Drug Encyclopœdia and Therapeutic Guide, 202
Modern Drugs in General Practice, 254
Official and Tentative Methods of Analysis of the Association of Official Agricultural Chemists, 121
Organic Reagents in Inorganic Analysis, 637
pH and Electrotitrations, 637
Photodynamic Action and Diseases Caused by Light, 228
Principles and Practice of Chromatography, 202
Qualitative Analysis and Chemical Equilibrium, 31
Reference Book of Inorganic Chemistry, 30
Report of Committee on Drug Addiction of the National Research Council, 1929–1941, and Collected Reprints, 1930–1941, 638
Simple Experiment on Physico-Chemical Principles, 122
Specific and Special Reactions for Use in Qualitative Analysis, with Particular Reference to Spot Test Analysis, 32
Synopsis of Materia Medica, Toxicology and Pharmacology, 150
The Anaerobic Bacteria and Their Activities in Nature and Diseases, 121
The Badianus Manuscript (Codex Barberini), 31
The Chemical Action of Ultraviolet Rays, 202, 638
The Chemical Constitution of Natural Fats, 202
The Chemistry and Toxicology of Insecticides, 31
The Chemistry of Antigens and Antibodies, 121
The Chinese Way in Medicine, 150
The Endocrine Glands, 121
The Essentials of Physiology and Pharmacodynamics, 149
The Glass Electrode. Methods, Applications, and Theory, 637
The Life of Ira Remsen, 228
The Manuscript, A Guide for Its Preparation with Instructions for Handling Proof, 254
The Nature of the Chemical Bond and the Structure of Molecules and Crystals, 30
The Pharmacological Basis of Therapeutics, 120
The Physiology and Pharmacology of the Pituitary Body, 64
The Ring Index, 228
The Story of Vitamin B_1, 89
Traffic in Opium and Other Dangerous Drugs for the Year Ended December 31, 1940, 272
University of California Hospital Formulary, 120
Useful Drugs, 176
Vitamin E, a Symposium, 63
What Are the Vitamins? 150
Bromocomplexes of some heavy metals, salts of alkaloids with, 156
Burbot liver oil, the chemistry of, 18

C

Caffeine, cinnamylephedrine and aspirin in admixture, the analysis of, 123
Camphor, physical evidence of association of, with phenol and the cresols, 229
Cannabis sativa, on the preparation of an extract having "marihuana-like" activity from the fruits of, 130
Capsaicin in capsicum, report on the vanadium oxychloride colorimetric method for the determination of, 107
Carcinogenics and medicine, 252
Carnauba wax, the fatty acids of, 10
Cinchona, the effect of the length of drug column on the efficiency of percolation of, 635
Cinchonicine and quinicine, detection of, 52
Cinnamylephedrine, aspirin and caffeine in admixture, the analysis of, 123
N-Cinnamylephedrines, some properties of the, and the analysis of aspirin, caffeine and cinnamylephedrine in admixture, 123
"Coqui" (*Cyperus rotundus* L.), some of the constituents of the tuber of, 216
volatile oil of, 628
Cyclopropane, determination of unsaturates in, 50
Cyperus rotundus L., volatile oil of, 628

D

Dialkylmalonylguanidines, the synthesis of several, with a preliminary note on their pharmacology, 45
Diethylstilbestrol, a colorimetric method for the assay of, 208
Digitalis ambigua, a pharmacognostic study of, 21
Digitalis assays, a simple statistical method for the calculation of mortality percentages in, 177
on the biological assay of, by the overnight frog method, 1
Drug extraction. XXIV. The effect of the length of drug column on the efficiency of percolation of cinchona, 635

E

Enteric coating, 276
Ephedrine, a review of tests for, 135
epinephrine, procaine and atropine, certain salts of, 98
sulfate solutions, isotonic, buffered and preserved intranasal, 189
the solubility of, in liquid petrolatum, 275
Epinephrine, chemistry and pharmacology of an analogue of, 183
procaine, atropine and ephedrine, certain salts of, 98
Ergometrine, the quantitative separation of, from other ergot alkaloids, 260
Ergonovine, the biologic and colorimetric assay of, in ergot and its fluidextract, 255
Ether, the effect of alkalinity or acidity on the stability of, 73

F

N^1-*p*-Fluorophenylsulfanilamide, synthesis and toxicity of, 65
Fungistatic value of certain ointments, 191

G

Germicides, considerations for evaluation of, 88
Gums, papain as a precipitant of, 19

H

Heparin-sodium sulfapyridine combinations, intravenous toxicity of, and protective action of barbiturates, 38

Hesperidin, chemical nature of, 629
Hydrogenated castor oil in ointments. VI. Sulfated product in official ointments, 145
Hypnotics, a pharmacological study of some new synthetic, 180

I

Ichthyometric studies on some mercurials, 203
Imported drugs, the examination and standards for, from 1790 to 1908, 25
Intermolecular compounds, a study of, 105
Iodine, determination of, in desiccated thyroid, 625
Iso-alcoholic elixirs of National Formulary VI, advantages of, 219

L

Le Clergé et la Pharmacie, 115
Lucuma salicifolia Kunth, 218

M

Marihuana investigations. IV. A study of marihuana toxicity on goldfish applied to hemp breeding, 616
Mercurials, ichthyometric studies on some, 203
Methanol, the qualitative detection of, 49
Mexican drugs, notes on. I. Zapote borracho (*Lucuma salicifolia* Kunth), 218

N

Neoarsphenamine, the toxicity and trypanocidal activity of commercial, 33
Nepeta glechoma, preliminary studies with, 187
Nicotinic acid, photoelectric determination of, 272

O

Ointments, fungistatic value of certain, 191
hydrogenated castor oil in. VI. Sulfated product in official ointments, 145
prepared by emulsification. Improvements and advantages gained; choice of emulsion systems; selection of vehicles, 196

P

Papain as a precipitant of gums, 19
Particle size studies. II. The grain size distribution of bismuth subsalicylate U. S. P., 220
Pepsin, the stabilization of liquid preparations containing, 249
Pharmaceutical emulsions. I. A study of the Continental method, 83
II. A study of the English method, 114
III. A comparative study of various mechanical stirrers and the hand homogenizer, 141
IV. Mixtures of acacia and tragacanth as emulsifying agents, 171
Phenobarbital and theobromine or theobromine salts in mixtures, a method for the quantitative determination of, 240
Phenol, physical evidence of association of camphor with, and the cresols, 229
Phenylacetic acid, bacteriostatic properties of, 41
Phytosterol from the buds and fruit of the tung tree (*Aleurites fordii* Hemsl.), 170
Pinus pumilo Haenke (*Pinus montana* Miller) oil, a critical study of the physico-chemical properties of, 209
Posterior pituitary solution, a proposed modification in the official method for the assay of, 151
Precipitated calcium phosphate National Formulary VI, a study of the composition of, 139
Pressor drugs. I. Chemistry and pharmacology of an analogue of epinephrine, 183
Procaine, atropine, epinephrine and ephedrine, certain salts of, 98
Pyrazolone derivatives, new, 627
Pyrethrin content of pyrethrum grown in India, 72

Q

Quinicine and cinchonicine, detection of, 52

R

Red squill, factors affecting the toxicity of, 69
powder and extract for chickens, rabbits and guinea pigs, toxicity of, 128
Resin of *Rhus toxicodendron*, the effect of some adsorbents, precipitants and oxidants upon the, 17
Rhus toxicodendron, the effect of some adsorbents, precipitants and oxidants upon the resin of, 17
Riboflavin, fluorophotometric determinations of, 270

S

Sterol from apple seeds and cherry seeds, 134
Sulfanilamide, the decomposition of, in tablets, 161
Sulfonamides, note on the behavior of, in the cobalt color tests for barbiturates, 246

T

Tablet mixtures, homogeneity of, before granulating, 56
Tannic acid, the stabilizing effects of antioxidants upon solution of, 53
Terpenes, condensation of amino acids with, 47
Theobromine or theobromine salts and phenobarbital in mixtures, a method for the quantitative determination of, 240
Thiamin chloride and bismuth tri-iodide complex, 20
Tung tree (*Aleurites fordii* Hemsl.), phytosterol from the buds and fruit of the, 170

U

Umbellatine from *Berberis insignis* Hook. f., 247
Ursolic acid, non-toxic character of, 207

V

Vanadium oxychloride colorimetric method, report on the, for the determination of capsaicin in capsicum, 107
Vitamin B complex, review of, 221
D assays, laboratory apparatus and procedure for preparing permanent records for biological, 153
P, the chemical nature of hesperidin and its experimental medical use as a source of, 629

Z

Zapote borracho, 218